

The Carolina DX Association

THE PILEUP

WEEKLY DX NET WEDNESDAY EVENING 8:30 PM
DX INFO REPEATERS 147.36 BOONE, NC
 147.18 CHARLOTTE, NC
PACKET CLUSTER 145.75 KD4IL - Fort Mill, SC

May 1988

Scott Douglass, K2SD, Editor

- CURRENT DX ACTIVITY -

Thanks to QRZ DX and the ARRL DX bulletins for the following information. For extensive reports of DX heard and worked during the past thirty or so days from this part of the USA (The Carolinas, Georgia, Alabama, and Tennessee) see page 2 which is a summary of Packet Cluster activity. This summary is edited; duplicate calls are removed (per band), as are some garden-variety calls. What remains is about 400 DX reports from a data base of over 1400 reports - not bad for thirty days!

VK9NS is now planning a trip to T31 - Canton Island in the Central Kiribati group. Additional details will be forthcoming.

For you language experts, the French DX net meets on 21170 at 1700Z daily. Many French-speaking amateurs from Africa and Oceania often check in, and if you speak French you may get some juicy DX news before anyone else.....

Tom, 9Q5NW, was not successful in his latest attempt to get operating permission from the Congo government for a TN license. Tom is now visiting Europe and the USA, but will return to 9Q in June, and renew his TT license crusade.

Rod, PY1BVY, will operate from Trindade as ZY0TR June 1 - 10 on all bands, mainly on CW. QSL to his home call.

Don't forget, West Sahara will be a reactivated DXCC country June 1.

QRZ DX offers a rumor that North Korea is being considered for separate DXCC country status.

T5MM and T5RR are expected to be active soon from Somalia.

TL8HW, Tracy, is a US Embassy worker, and has been found around 1500Z at 28498, and also on 14183 or 21335 from 1700-1900Z. QSL to KJ4GK.

If you need the Western Carolines, look for Joe, KC6HA, who has his beam up again. Try 14226 at 1530Z.

Some DX to look for during the CQ WW WPX CW contest May 28-29: Guam, KH2D will be on all bands, N7DF/KH2 on 20, KH2F on 40, NY6M/KH2 on 20, and KG6DX on 10 or 80 meters. TK/DL4BAH will be active from Corsica during the contest.

Christmas Island, VK9X, will be activated June 17-24 by VK4KCW/VK9X. QSLs go to JA1UT.

Minami Torishima: KA2CC plans to return in late June or early July.

Mount Athos: SV2RE says that an expedition is planned for late July or early September.

Word from Visalia DX convention is that the Lynx DX group has a license in hand and will activate either 4W7EA or 4W0EA (Yemen) during the last week of June with five operators on all bands, SSB and CW.

North Cook: AG9Q and ZK1CP plan to operate from Manihiki as ZK1QC from June 25-30 - try 14185 and 21285 from 0200-0600Z. QSL to K9QVB.

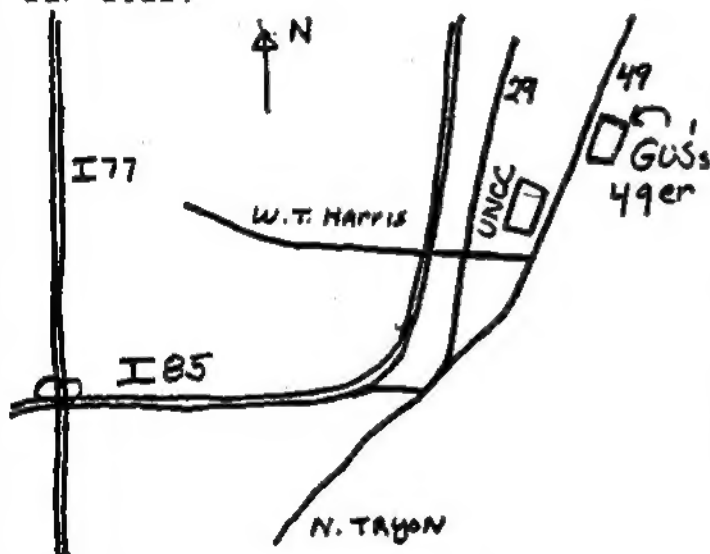
CDXA DINNER MEETING NOTICE !!

Yes, time does fly when you are having fun, and it HAS been fun with the Kingman Reef and Palmyra operations just complete. In fact, it's time for our Quarterly Dinner meeting, so please make plans to join us for this gala event.

Time: Saturday, June 18, 7:30pm

Place: Gus's 49er
Highway 49, just north of UNCC.

So, if you are tired of Chinese food, this is the place for you. We will have a program, and a chance to meet in person.....don't forget to bring your spouse, and while you are thinking of it, mention the meeting to a non-member who might be interested in joining our club.



FOR SALE

Two Cushcraft Model 147-4 2-meter beams plus a PD-2 phasing harness for stacking them. Package price - \$90.00. Call W4UNP. Seperate pricing is possible.

AEA PK-232 Multi-mode Data Controller (Packet, RTTY, Baudot, ASCII, AMTOR, Morse, Weather FAX) with AC adapter, like new. \$290.00. Call W4UNP.

FOR SALE

Telrex 6-element 20-meter beam,
Model 125 commercial grade...\$350

Telrex 6-element 15-meter beam,
Model 156.....\$250

HyGain 5-element 15-meter beam..\$75

Call Bill Jennings, W4UNP for
details, (803) 329-9095.

PROPAGATION NOTES de K2JF

Here's another installment from the fine series by K2JF in the Frankford Radio Club Newsletter:

Part 6 - Irregular Variations of Ionosphere

In addition to the more or less regular variations in the characteristics of the ionosphere, a number of singular, transient effects, though unpredictable, have important bearing on propagation phenomena. Some of the more prevalent of these effects are sporadic E; sudden ionosphere disturbances (Dellinger fade); and scattered reflections. **SPORADIC E.** The sporadic E, also known as the E layer, is an ionized cloud that appears at indefinite intervals, and at a slightly greater height than the normal E-layer. The nature and cause of the abnormal layer are as yet unknown. Sometimes the sporadic E consists of an extremely efficient radiating surface that is capable of reflecting so much of the energy radiated from the transmitting antenna, even at frequencies of 10 to 15 MHz, that reflections from other layers of the ionosphere are blanked out completely. Occurrence of sporadic E is not usually simultaneous at all stations. **SUDDEN IONOSPHERE DISTURBANCE** or Dellinger fade. The most startling of all the irregularities of the ionosphere and of radio wave transmission is the sudden type of disturbance manifested by a radio fade-out. During this disturbance, abbreviated SID, receiving station operators are inclined to believe

that their radio sets have gone DEAD. Examinations of the sun at the times of occurrence of these events however, has revealed that in all cases where reliable solar data were available the appearance of this ionospheric disturbance was coincidental with the onset of a bright solar eruption and its duration was the same as that of the eruption. Such an eruption causes sudden abnormal increase in the ionization of the D-region, frequently with simultaneous disturbances in terrestrial magnetism and earth currents. Sudden increases in the D-region ionization usually result in total absorption, in this region, of all frequencies above 1,000 KHz.

IONOSPHERE STORMS. An ionosphere storm is a period of disturbance, during which there are large variations from normal, of critical frequencies, layer heights, and absorption. These storms may last for periods of varying intensity (from several hours to several days) and usually extend over the entire earth. High-frequency sky-wave

transmission above approximately 1,500 KHz then shows low intensity and is subject to flutter fading. During the first few hours of severe ionosphere storms, the ionosphere is turbulent, stratification is destroyed, and radio wave propagation is erratic. During the later stages of severe storms and during the whole period of more moderate storms, the upper part of the atmosphere is expanded and diffused. The critical frequencies are much lower than normal because of a decrease in ion density, and the virtual heights of the layers much greater, so that the maximum usable frequencies are much lower than normal.

----Editor's Note ----

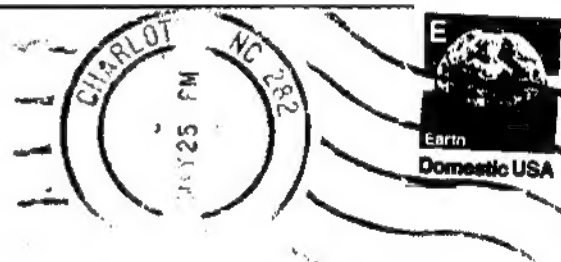
The remainder of part 6 will appear in the next issue.

SEE YOU JUNE 18 AT THE DINNER MEETING. LET WA4UUP KNOW IF YOU PLAN TO ATTEND.....73.

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The PILEUP is the newsletter of the Carolina DX Association, an ARRL affiliated club serving DXers in the Carolinas. The PILEUP may be reprinted in whole or in part provided proper credit is given.